

PATENT

Serial No. 09/966,610

Amendment in Reply to Final Office Action of May 20, 2004

IN THE CLAIMS

Please cancel claims 8 and 13 without prejudice, amend claims 1, 11-12, 14-17, 19, 21 and 23 as follows:

1           1. (Currently Amended) An apparatus for displaying visual  
2   representations of audio signals on an object, comprising:  
3           a control unit for processing an input signal and performing  
4   an input signal to visual pattern conversion; and  
5           a display device for displaying said visual pattern, said  
6   device including a generally planar light emitting layer being  
7   conformable to a surface shape;  
8           wherein said display device conforms to a three dimensional  
9   surface shape of an outer surface of said object and is disposed in  
10 a thin layer.

1           2. (Original) The apparatus of claim 1, wherein said input  
2   signal comprises an audio component.

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1           3.(Original) The apparatus of claim 2, said control unit  
2 further comprising at least one of a tempo, amplitude and frequency  
3 processing unit for use during said input signal to visual pattern  
4 conversion.

1           4.(Original) The apparatus of claim 1, wherein said display  
2 device displays the visual pattern using electroluminescent  
3 material.

1           5.(Original) The apparatus of claim 1, wherein said display  
2 device displays the visual pattern using transistors.

1           6.(Original) The apparatus of claim 1, wherein the control  
2 unit further comprises a user interface for controlling said input  
3 signal to visual pattern conversion.

1           7.(Original) The apparatus of claim 1, wherein the control  
2 unit contains software programming for controlling the generation  
3 of said visual pattern.

Claim 8 (Canceled)

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1           9. (Previously Presented) An apparatus for displaying visual  
2 representations of audio signals on an object, comprising:  
3           a first moldable layer having a surface;  
4           a plurality of light emitting devices positioned on the  
5 surface of said first moldable layer to form an array; and  
6           a second moldable layer positioned on said plurality of light  
7 emitting devices, said second moldable layer manufactured from one  
8 of a transparent and translucent material;  
9           wherein said apparatus is moldable to conform to a three  
10 dimensional surface of an said object and is disposed in a thin  
11 layer.

1           10. (Original) The apparatus of claim 9, further comprising a  
2 control device having at least one input for receiving an audio  
3 signal, and further having at least one output for connecting to  
4 said plurality of light emitting devices and for controlling said  
5 light emitting devices.

1           11. (Currently Amended) An apparatus for displaying visual  
2 representations of audio signals on an object, comprising:

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3 a first layer having a surface;  
4 a plurality of light emitting devices positioned on the  
5 surface of said first layer to form an array; and  
6 a second layer positioned on said plurality of light emitting  
7 devices, wherein said second layer manufactured from one of a  
8 transparent and translucent material;  
9 wherein said layers include means for folding the apparatus  
10 over a three dimensional surface of an said object and is disposed  
11 in a thin layer.

1 12. (Currently Amended) An apparatus for displaying sensory  
2 representations of input signals on an object, comprising:  
3 a control unit for processing the input signal and performing  
4 an input signal to sensory pattern conversion; and  
5 a display device for outputting said sensory pattern;  
6 wherein said display device conforms to a three dimensional  
7 surface shape of an outer surface of said object and is disposed in  
8 a thin layer.

Claim 13 (Canceled)

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1        14. (Currently Amended) The apparatus of claim ~~13~~1, wherein  
2 the three dimensional surface shape to which said display device  
3 conforms includes at least two surfaces oriented at about 90  
4 degrees to one another.

1        15. (Currently Amended) The apparatus of claim ~~13~~1, wherein  
2 said display device displays the visual pattern using  
3 electroluminescent material comprising a luminescent organic  
4 polymer.

1        16. (Currently Amended) The apparatus of claim ~~13~~1, wherein  
2 the object comprises the case or housing for a CE device, the  
3 display device being disposed coextensive with two or more of the  
4 surfaces of the case.

1        17. (Currently Amended) The apparatus of claim 1, wherein the  
2 device includes a cathode layer, an anode layer, and a light  
3 emitting device between the cathode layer and the anode layer.

1        18. (Previously Presented) The apparatus of claim 17, wherein  
2 the device is an electroluminescence display device.

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1        19. (Currently Amended) The apparatus of claim 9, wherein the  
2 device includes a cathode layer, an anode layer, and a light  
3 emitting device between the cathode layer and the anode layer.

1        20. (Previously Presented) The apparatus of claim 19, wherein  
2 the device is an electroluminescence display device.

1        21. (Currently Amended) The apparatus of claim 11, wherein the  
2 device includes a cathode layer, an anode layer, and a light  
3 emitting device between the cathode layer and the anode layer.

1        22. (Previously Presented) The apparatus of claim 21, wherein  
2 the device is an electroluminescence display device.

1        23. (Currently Amended) The apparatus of claim 12, wherein the  
2 device includes a cathode layer, an anode layer, and a light  
3 emitting device between the cathode layer and the anode layer.

1        24. (Previously Presented) The apparatus of claim 24, wherein  
2 the device is an electroluminescence display device.